

# AUTHENTICATION SYSTEM AND AUTHENTICATION METHOD

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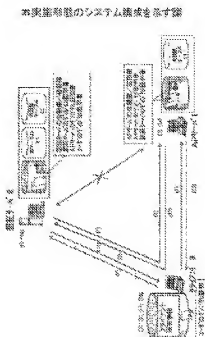
- European:

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**Abstract of JP 2001186122 (A)**

**PROBLEM TO BE SOLVED:** To provide an authentication system that can prevent leakage of passwords and conduct retransmission of authentication data, by pretending of a 3rd party to be a legal party. **SOLUTION:** When a user uses a client 3 to a log in an AP server 1, the AP server 1 generates encrypted communication data (i) and transmits the data as an authentication request to an authentication server 2 by the use of redirection through the client 3. The authentication server 2 makes request to the client 3 to enter its password and authenticates the user, on the basis of the password and the authentication request. Then the server 2 transmits encrypted communication data (iv), including the result of authentication to the AP server 1 by the use of redirection via the client 3. Furthermore, the AP server 1 generates a session ID in the case of log on of the user and registers it to a common key table 11 with a common key and detects the retransmission by comparing the ID with a session ID in the communication data (iv).



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